

We claim:

1. A thin polymer film between about 0.2 and 20 mils thick and preferably between 1 and 6 mils thick comprising:  
one or a blend of polymeric resins having opposed first and second outer  
5 surfaces.
2. A thin polymer film between about 0.2 and 20 mils thick and preferably between 1 and 6 mils comprising:  
one or a blend of non-polyolefin resins including but not restricted to any of  
polyamide 6, polyamide 6,6, or polyester terephthalate resins, having  
10 opposed first and second surfaces.
3. A thin monolayer polyolefin film between about 0.2 and 20 mils thick and preferably 1 to 6 mils thick comprising:  
one or a blend of polyolefins, including but not restricted to any of LLDPE,  
LDPE, EVA, POP, mLL, HDPE, polypropylene, or EVOH resins, having  
15 opposed first and second outer surfaces.
4. A thin monolayer film according to claim 1, further comprising:  
between 25 ppm and 5000 ppm and preferably between 100 ppm to 1000  
ppm of a primary amide of general structure  $R-CO-NH_2$  and between 25  
ppm and 5000 ppm and preferably between 100 ppm to 1000 ppm of a  
20 secondary primary amide or blend of secondary amides of general structure  
 $R-CO-NH-R'$  where the R and R' can include any of erucic, oleic, palmitic,  
behemic, capric, lauric or stearic functional groups of between 9 to 30  
carbon atoms, such that the ratio of primary amide to secondary amide is  
between about 1:1 and 1:3.
- 25 5. The monolayer film of claim 1 wherein the migratory additive is  
the primary amide erucamide.

6. A monolayer film according to claim 1 wherein the migratory additive is a blend of secondary amides about 1 part oleic palmitamide and 1 part stearyl erucamide.

7. A thin, multi-layer polyolefin film comprising:

5 between 2 and 9 layers, with a combined thickness between about 0.2 and 20 mils thick and preferably between 1 and 6 mils thick, and having opposed first and second outer surfaces, with the first outer layer composed of one or a blend of polyolefin(s), and a second outer layer composed of one or a blend of polyolefin(s).

10 8. The thin multi-layer film according to claim 7, further comprising additional functional layers including any of various polyolefin or other thermo plastic resins as additional inner layers.

9. A thin multi-layer polyolefin film according to claim 7, further comprising:

15 a layer containing between 100 ppm and 5000 ppm and preferably 100 ppm to 1000 ppm of a primary amide of general structure  $R-CO-NH_2$ , and between 100 ppm and 5000 ppm and preferably 100 ppm to 1000 ppm of a secondary primary amide or blend of secondary amides of general structure  $R-CO-NH-R'$ , wherein the R and R' can include any of erucic,  
20 oleic, palmitic, behemic, capric, lauric or stearic functional groups of between 9 to 30 carbon atoms, such that the ratio of primary amide to secondary amide is between 1:1 and 1:3.

10. A thin multi-layer film according to claim 7, wherein the

migratory additive is the primary amide erucamide 11. A thin multi-layer

25 film according to claim 7, wherein the migratory additive is a blend of secondary amides comprising about 1 part oleic palmitamide and 1 part stearyl erucamide

12. The film of claim 1 wherein the film composite may be printed in a decorative manner.

13. A film according to claim 1 wherein  
the film is joined to a secondary film by adhesives, extruded polymer or by  
5 thermal bonding, and the secondary film may be composed of any of a  
polyolefin, Nylon or polyester film or multiple layers of other films.